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TELECOMMUNICATIONS APPARATUS AND METHODS

ABSTRACT OF THE DISCLOSURE

A telecommunications system includes a passive optical network (PON) including an optical splitter configured to serve optical network terminations (ONTs) at respective ones of a plurality of subscriber premises. The system further includes an optical network unit (ONU) coupled to the PON and configured to provide
5 communications for the plurality of the subscriber premises. The optical splitter may directly subtend the ONU, and the optical splitter and the ONU may be co-located, for example, at the same pole or pedestal. The ONU may be powered by a power source located at a remote terminal (RT). A composite fiber/conductor cable may couple an optical line terminal (OLT), which may be positioned at a central office (CO) or the
10 RT, and the power source to the optical splitter and the ONU, respectively.